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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.

HELENA, MONTANA

Vol. XI, No. 8 McKEE PRINT. AUGUST, 1963

Production of crude oil and condensate from the oil and gas areas of Montana for the Month of August. 1963, averaged 85,228 barrels daily, an increase of 1,625 barrels from the average July production of 83,603.

The nine refineries in State processed 81,795 barrels of crude oil daily for the month of August, 1963, a decrease of 1,545 barrels from the 83,340 barrels processed daily during the month of July, 1963.

During August, 34 wells were completed, 10 oil, 3 gas wells and 21 dry holes.

During August, the commission issued 36 permits to drill new wells, an increase of 1 from the 35 permits issued during July.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF AUGUST, 1963

IN STORAGE AUGUST 1st:	
By Producers	337,235
By Transporters	860,694
By Refiners	421,154
TOTAL STORAGE	1,619,083
Produced in Montana During Month	2,642,082
Imported During Month	1,523,044
TOTALS	5,784,209
DISPOSITION:	
Refined in Montana	2,535,651
Exported	1,547,729
Used for Fuel or Lost	7,188
TOTAL	4,090,568
IN STORAGE AUGUST 31st:	
By Producers	343,111
By Transporters	937,952
By Refiners	412,578
TOTAL STORAGE	1,693,641

NATURAL GAS WITHDRAWALS IN MONTANA

Month of August, 1963

Field	M Cu. Ft.
Bears Den	8,737
Big Coulee	34,052
Bowdoin	48,629
Bowes	61,909
Cabin Creek	109,548
Cedar Creek	170,261
Clarks Fork	0
Cut Bank (including Reagan)	340,479
Devon	12,318
Dry Creek	34,219
Elk Basin	37,534
Flat Coulee	0
Gold Butte	24,983
Golden Dome	15,335
Grandview	16,741
Hardin	4,240
Havre	0
Keith Block	118,752
Kevin Sunburst	72,769
Pine	59,613
Plevna	19,782
Utopia	0
Whitlash	85,367
Miscellaneous	20,225
TOTAL	1,295,493

Total Withdrawals for August, 1962 were 1,229,273 M Cu. Ft.

PRODUCERS REPORT—MONTH OF AUGUST, 1963

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	1,009	2,163	.....	2,409	.....	763
5	Bannatyne	8	707	1,205	.....	851	.....	1,061
1	Bascom	1	246	519	603	.....	.....	162
6	Bear's Den	7	1,137	3,050	.....	2,658	217	1,312
1	Belfry	1	296	420	.....	594	.....	122
1	Benrud	1	496	1,790	1,824	.....	.....	462
1	Benrud East	1	1,244	15,817	16,375	.....	.....	686
8	Big Wall	29	2,647	20,959	20,904	155	45	2,502
10	Blackfoot	15	2,645	9,699	6,177	3,560	.....	2,607
1	Border	1	186	78	.....	209	.....	55
1	Bowes	72	5,954	15,776	18,833	.....	.....	2,897
2	Brady	6	.....	785	785	.....	.....	.....
2	Bredette North	2	1,855	306	.....	.....	.....	2,161
10	Cabin Creek	113	8,748	283,525	283,481	.....	.....	8,792
13	Cat Creek	90	4,589	16,580	17,745	.....	.....	3,424
1	Clark's Fork	1	164	221	.....	141	.....	244
1	Clark's Fork North	1	1,531	753	.....	597	.....	1,687
2	Conrad South	2	450	492	627	.....	.....	315
1	Cupton	1	689	666	.....	872	.....	483
154	Cut Bank	1,118	110,155	148,051	135,368	.....	56	122.782
3	Deer Creek	6	2,579	12,468	13,123	.....	.....	1,924
2	Delphia	2	541	821	.....	372	.....	990
1	Devil's Basin	1	1,081	274	385	.....	.....	970
....	Dry Creek	.....	812	.....	.....	.....	.....	812
21	Dwyer	22	10,218	57,417	58,999	.....	5	8,631
9	Elk Basin	60	3,133	280,025	279,098	.....	.....	4,060
1	Fertile Prairie	1	437	1,386	1,114	.....	.....	709
4	Flat Coulee	29	2,599	31,874	.....	30,890	.....	3,583
2	Frannie	2	.....	1,653	1,653	.....	.....	.....
2	Gage	2	810	473	502	.....	62	719
4	Gas City	26	4,953	74,239	72,833	2,304	.....	4,055
6	Glendive	11	1,526	33,929	34,487	.....	.....	968
7	Graben Coulee	16	4,459	8,632	9,778	.....	1	3,312
5	Gypsy Basin	5	926	1,615	1,347	.....	13	1,181
1	Hibbard	1	191	554	.....	588	.....	157
9	Ivanhoe	14	3,470	33,080	33,384	.....	126	3,040
6	Keg Coulee	14	3,467	26,367	25,707	.....	.....	4,127
159	Kevin Sunburst	916	17,839	47,136	47,273	.....	.....	17,702
2	Little Beaver	24	3,350	27,533	26,193	528	.....	4,162
4	Little Beaver East	20	2,933	28,285	27,352	.....	.....	3,866
3	Lone Tree	3	1,845	6,882	.....	7,287	.....	1,440
23	Lookout Butte	65	6,121	202,162	199,316	3,676	.....	5.291
....	MacKay Dome	.....	770	.....	.....	.....	.....	770
2	Melstone	4	919	3,765	4,000	.....	.....	684
6	Monarch	16	3,235	14,310	14,373	.....	.....	3,172
4	Mosser	4	.....	968	.....	968	.....	.....
1	Musselshell	1	641	(1,024)	(795)	.....	.....	412
7	Outlook	11	5,201	33,698	34,044	.....	.....	4,855
2	Outlook South	2	1,188	1,190	1,343	.....	.....	1,035
50	Pennel	82	4,522	206,553	205,712	.....	337	5,026
4	Pine	134	13,082	351,760	347,913	677	.....	16,252
74	Pondera	328	8,937	36,234	36,706	.....	180	8,285
2	Pondera Coulee	2	.....	277	277	.....	.....	.....
5	Poplar, East	83	13,638	130,548	128,252	.....	1,523	14,411
4	Poplar, Northwest	5	990	1,974	1,273	.....	.....	1,691
6	Ragged Point	17	1,956	16,062	9,634	5,679	.....	2,705
3	Reagan	50	3,736	18,765	19,533	.....	.....	2,968
9	Red Creek	23	4,466	48,921	48,153	2,001	.....	3.233
1	Redstone	1	329	939	1,029	.....	.....	239
1	Repeat	1	217	1,891	.....	1,929	.....	179
7	Richey	9	2,925	5,225	5,367	.....	.....	2,783
6	Richey, Southwest	7	2,946	18,481	.....	17,447	.....	3,980
4	Sand Creek	5	3,257	9,035	8,849	.....	.....	3,443
7	Sidney-Brorson	7	4,858	5,202	.....	4,924	(90)	5,226
2	Snyder	4	1,554	602	.....	338	.....	1,818
6	Soap Creek	10	5,417	4,920	.....	6,231	.....	4,106
2	Spring Lake	3	2,114	12,645	.....	12,965	.....	1,794
2	Stensvad	26	6,599	49,486	33,885	17,044	.....	5,156
30	Sumatra	97	13,039	149,609	151,987	.....	.....	10,661
6	Tule Creek	8	3,012	67,254	67,699	.....	.....	2,567
14	Whitlash	34	4,241	11,628	.....	10,274	.....	5,595
1	Whitlash West	1	246	474	.....	600	.....	120
9	Wolf Springs	18	3,507	15,253	15,850	.....	.....	2,910
4	Woodrow	6	567	10,626	10,524	.....	.....	669
3	Wildcat, Sheridan Cty	3	848	13,032	.....	12,118	.....	1,762
1	Wildcat, Roosevelt Cty	1	240	2,119	.....	1,971	.....	388
781		3,717	337,235	2,642,082	2,480,874	152,857	2,475	343,111

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1962	31,647,507	86,705	31,739,123	86,956
First Quarter, 1963	7,700,475	86,522	7,645,115	85,900
Second Quarter, 1963	7,698,583	84,600	7,718,750	84,821
July, 1963	2,591,716	83,603	2,621,409	84,561
August, 1963	2,642,082	85,228	2,633,731	84,959

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1962	350,355	917,246	595,843	1,863,444
March, 1963	391,644	915,187	407,232	1,714,063
June, 1963	367,601	901,594	396,726	1,665,921
July, 1963	337,235	860,694	421,154	1,619,083
August, 1963	343,111	937,952	412,578	1,693,641

*Includes Wyoming Oil.

TRANSPORTERS REPORT—MONTH OF AUGUST, 1963

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,409				2,409		
BANNATYNE—Truck			851					851	
BEAR'S DEN—Truck			2,658					2,658	
BELFRY—Truck			594				594		
BIG WALL—McWood Corp.			155					155	
Glacier Pipe Line Co.		21,262				21,262			
		21,262	155			21,262		155	
BLACKFOOT—Union Oil Co.		6,177				2,666		3,511	
Truck			3,560					3,560	
		6,177	3,560			2,666		7,071	
BORDER—Truck			209					209	
BOWES—Texaco, Inc.		18,833				18,833			
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	312,347	883,485		747,519	410		1,654,596		288,345
Shell Pipe Line Corp.	5,747	369,494		508	(162)			370,904	5,007
Truck			4,006					4,006	
	318,094	1,252,979	4,006	748,027	248		1,654,596	374,910	293,352
CAT CREEK									
Glacier Pipe Line Co.		17,745				17,745			
CLARK'S FORK—Truck			738				738		
CUT BANK									
Darling Gathering System, Inc.	1,863	5,820							7,683
Glacier Pipe Line Co.				79,112		79,112			
Phillips Petroleum Co.	51,888	51,061		65,119	(593)	55,914		54,301	58,445
Texas Pipe Line Co.	34,572	22,254		42,810	154	15,767		53,175	30,540
Teton Pipeline Corp.	3,697	31,728		125,397	335			121,292	39,195
Union Oil Co.	62,996	65,321		19,922	865	81,518			65,856
	155,016	176,184		332,359	761	232,311		228,768	201,719
DELPHIA—Truck			372			372			
DRY CREEK—									
Marathon Pipe Line Co.	8,431	975			49				9,357
ELK BASIN—Marathon Pipeline Co.		276,894				276,894			
FLAT COULEE—Truck			30,890					30,890	
FRANNIE—Marathon Pipeline Co.		1,653					1,653		
GAGE—Glacier Pipe Line Co.		503				503			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipe Line Co.	4,161	66,985			579			66,927	3,640
HIBBARD—Truck			588			588			
IVANHOE—Glacier Pipe Line Co.		32,944				32,944			
KEG COULEE—									
Glacier Pipe Line Co.		25,709				25,709			
KEVIN SUNBURST—									
Big West Oil Co.	4,053	85,810				57,295		15,031	17,537
Homestake Oil & Gas Co.	2,975	3,144		4,216		5,130			5,205
Texas Pipe Line Co.	6,829	17,769			459			18,151	5,987
	13,857	106,722		4,216	459	62,425		33,182	28,729
LONE TREE—Truck			7,287				7,287		
MELSTONE—									
Glacier Pipe Line Co.		4,000				4,000			
MOSSER—Truck			968				968		
PONDERA—Phillips Petr. Co.	20,263	39,149		49,311	(890)	89,299			20,314
POPLAR, BENRUD, BREDETTE, DWYER, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY & TULE CREEK—									
East Poplar Gathering System	20,743	299,085			(781)			289,685†	30,924
Hunt Petroleum Corp.		17,195					17,195		
	20,743	316,280			(781)		17,195	289,685	30,924
RAGGED POINT—									
Glacier Pipe Line Co.		9,634	5,679			754	14,559		
RED CREEK—Teton Pipeline Co.		56,215			563			55,652	
Mountain Crude			2,001	7,448				9,449	
		56,215	2,001	7,448	563			65,101	
RICHEY, SOUTHWEST			17,447			17,447			
SIDNEY-BRORSON AND OTHERS									
McWood Corp.	4,892		10,904	3,247	(85)			15,274	3,854
SNYDER—McWood Corp.			338					338	
SOAP CREEK—McWood Corp.	1,798		6,231	1,794		7,293			2,530
SPRING LAKE—Truck			12,965				12,965		
SUMATRA AND STENSVAD—									
Glacier Pipe Line Co.	313,439	185,872		292,030	1,730	151,325		294,753	343,533
Truck			17,044				17,044		
	313,439	185,872	17,044	292,030	1,730	151,325	17,044	294,753	343,533
WHITLASH—Truck			10,874			10,274		600	
WOLF SPRINGS—									
Glacier Pipe Line Co.		15,338				10,192	5,146		
WILDCAT WELLS—									
Sheridan and Roosevelt Counties			14,089				14,089		
TOTALS	860,694	2,632,053	152,857	1,438,432	2,633	982,836	1,749,243	1,411,372	937,952

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat and Richey.

†Transferred to Butte Pipeline Company.

Montana School of Mines
Office of the President
Butte, Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF AUGUST, 1963

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Rfg. Co.	Jet Fuel Refinery	Petrofuels Ref. Co. Inc.	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall	.....	.....	.....	20,753	.....	.....	.....	.....	.....	20,753
Blackfoot	.....	.....	.....	.....	.....	.....	.....	.....	2,666	2,666
Border	.....	.....	.....	209	.....	.....	.....	.....	.....	209
Bowes	.....	.....	26,114	.....	.....	.....	.....	.....	.....	26,114
Cat Creek	.....	15,064	.....	859	.....	1,142	.....	.....	.....	17,065
Cut Bank	.....	97,808	.....	.....	.....	.....	.....	89,715	44,788	232,311
Delphia	.....	.....	.....	.....	.....	377	.....	.....	.....	377
Devil's Basin	.....	.....	.....	.....	.....	179	.....	.....	.....	179
Dry Creek	.....	.....	.....	50	.....	.....	.....	.....	.....	50
Elk Basin	.....	114,544	.....	73,717	88,634	.....	.....	.....	.....	276,895
Flat Coulee	24,952	.....	.....	.....	.....	.....	.....	.....	5,492	30,444
Gage	.....	502	.....	.....	.....	.....	.....	.....	.....	502
Hibbard	.....	.....	.....	.....	.....	479	.....	.....	.....	479
Ivanhoe	.....	2,316	.....	462	30,166	.....	.....	.....	.....	32,944
Keg Coulee	.....	2,979	.....	22,729	.....	.....	.....	.....	.....	25,708
Kevin Sunburst	29,395	.....	.....	.....	.....	.....	.....	.....	33,030	62,425
Melstone	.....	.....	.....	3,968	.....	.....	.....	.....	.....	3,968
Musselshell	.....	.....	.....	524	.....	.....	.....	.....	.....	524
Pondera	.....	.....	.....	.....	.....	.....	.....	55,772	.....	55,772
Ragged Point	.....	.....	.....	754	.....	.....	.....	.....	.....	754
Red Creek	.....	25,937	.....	.....	.....	.....	.....	.....	.....	25,937
Richey, S.W.	.....	.....	.....	.....	.....	.....	17,447	.....	.....	17,447
Soap Creek	.....	7,293	.....	.....	.....	.....	.....	.....	.....	7,293
Sumatra & Stensvad	.....	204	.....	151,121	.....	.....	.....	.....	.....	151,325
Whitlash	10,274	.....	.....	.....	.....	.....	.....	.....	.....	10,274
Wolf Springs	.....	.....	.....	.....	10,192	.....	.....	.....	.....	10,192
Total Montana Oil	64,621	266,647	26,114	275,146	128,992	2,177	17,447	145,487	85,976	1,012,607
Canadian Oil Imported	.....	79,771	.....	.....	27,352	.....	.....	.....	.....	107,123
Wyoming Oil Imported	.....	185,289	.....	331,864	896,323	2,445	.....	.....	.....	1,415,921
Total Montana, Canadian and Wyoming Oil	64,621	531,707	26,114	607,010	1,052,667	4,622	17,447	145,487	85,976	2,535,651

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1962	30,616	728	45,775	77,119
August, 1962	41,388	207	43,980	85,575
August, 1963	32,664	3,457	45,674	81,795

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1962	39.69%	.96%	59.35%
August, 1962	48.36%	.25%	51.39%
August, 1963	39.93%	4.23%	55.84%